

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-009433**Date Inspected:** 29-Jan-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Zhi jiang / Xu Xian ping**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Hiranch Patel, was present during the times noted above for observations relative to the work being performed.

**Bay #3**

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as OBG Floor Beam. The weld designations reviewed are as follows:

-(FB020-004-078~081,021,101,122,117,108,126,127)

**OBG # 7**

This QA Inspector randomly observed the following work in progress:

FCAW welding of weld joint SP735-001-077,078,079,080 located on SP735-001. Welder is identified as 048810 (1F). ZPMC QC is identified as Wu zhi fen. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint SP735-001-081, 082, 083, 084 located on SP735-001. Welder is identified as 202841 (1F). ZPMC QC is identified as Wu zhi fen. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint SP735-001-085, 086, 087, 088 located on SP735-001. Welder is identified as 205385 (1F). ZPMC QC is identified as Wu zhi fen. The welding variables recorded by QC appeared to comply

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with the Applicable WPS.

FCAW welding of weld joint SP629-001-001, 002, 003, 004 located on SP629-001. Welder is identified as 048810 (1F). ZPMC QC is identified as Wu zhi fen. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint SP629-001-005, 006, 007, 008 located on SP629-001. Welder is identified as 202841 (1F). ZPMC QC is identified as Wu zhi fen. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint SP629-001-009, 010, 011, 012 located on SP629-001. Welder is identified as 205385 (1F). ZPMC QC is identified as Wu zhi fen. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint SP209-004-007, 008 located on SP209-004. Welder is identified as 202841 (1F). ZPMC QC is identified as Wu zhi fen. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Unless otherwise noted, all observed on this date appeared to generally comply with applicable contract documents

### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Patel,Hiranch	Quality Assurance Inspector
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<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer
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